

Notice of Allowability	Application No.	Applicant(s)	
	09/917,238	YOSHIZAKI, SHOICHI	
	Examiner	Art Unit	
	KHAI TRAN	2637	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 4/23/02.
2. ☒ The allowed claim(s) is/are 1-27 and 29-37.
3. ☐ The drawings filed on _____ are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
 - * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☒ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☒ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date 10/27/2004.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|--|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date <u>2 sheets</u> | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

REASONS FOR ALLOWANCE

1. The preliminary amendment A filed 4/23/02 has been entered. Claim 28 has been cancelled, the newly added claim 37 has been entered. Claims 1-37 are pending in this Office action.

Drawings

2. New corrected drawings in compliance with 37 CFR 1.121(d) are required in this application because the drawings are not readable, the letters are small. Applicant is advised to employ the services of a competent patent draftsman outside the Office, as the U.S. Patent and Trademark Office no longer prepares new drawings. The corrected drawings are required in reply to the Office action to avoid abandonment of the application. The requirement for corrected drawings will not be held in abeyance.

Allowable Subject Matter

3. Claims 1-27, 29-37 are allowed.

4. The following is an examiner's statement of reasons for allowance: none of the prior art of the discloses or suggests a clock recovery system and a method for generating clock signal corresponding to an asynchronous data signal, comprising: a multiplexer circuit coupled to the data phase alignment unit, the multiplexer circuit having a first multiplexer operative for selecting a portion of the plurality of the data samples, each of the data samples having a corresponding clock signal, which is one of the plurality of clock signals generated by the local oscillator circuit, the multiplexer circuit having a second multiplexer operative for selecting one of the clock signals and generated by the local oscillator circuit; a phase decoder coupled to the multiplexer

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circuit, the phase decoder operative for receiving the portion of the plurality of data samples selected by the multiplexer and for generating an output signal indicative of the logic values of the portion of the plurality of the data samples selected by the first multiplexer; a barrel shifter circuit coupled to the phase decoder, the barrel shifter operative for adjusting the data samples selected by the first multiplexer in accordance with the output signal of the phase decoder as recited in claims 1, 13; and further discloses a phase decoder unit coupled to the data phase alignment unit, and a multiplexer circuit coupled to the phase decoder unit as recited in claim 8; and further discloses a pulse width adjustment circuit coupled to the sampling unit, the pulse width adjustment circuit operative for extending the pulse width of at least some of the samples output by the sampling unit as recited in claims 16, 25, 31.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Djafari et al (U.S. Pat. US2003/0038681 A1) disclose a system and method of digital tuning a voltage-controlled oscillator.

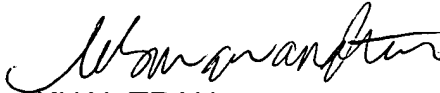
Richards et al (U.S. Pat. 6,178,207) disclose an aircraft combat training signal processing system.

Leung et al (U.S. Pat. 5,596,610) disclose a delay state circuitry for a ring oscillator.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to KHAI TRAN whose telephone number is (571) 272-3019. The examiner can normally be reached on 7:00AM - 4:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, JAY PATEL can be reached on (571) 272-2988. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


KHAI TRAN
Primary Examiner
Art Unit 2637

10/27/04

EXAMINER'S AMENDMENT

Claims

Claim 31:

Line 6, the term "mean" has been changed to --means--.

Line 9, the term "mean" has been changed to --means--.

Line 11, the term "mean" has been changed to --means--.



KHAI TRAN
Primary Examiner
Art Unit 2637